

REMARKS

Applicants respectfully request reconsideration of this application as amended. Claims 1, 6-7, 13, 16-17 and 19-23 have been amended to present the claims in better form for allowance and for possible consideration on appeal. Applicant respectfully requests the Examiner to accept the proposed amendments. Claims 5 and 9-12 have been cancelled without prejudice. No new claims have been added. Therefore, claims 1-4, 6-8 and 13-23 are presented for examination. The following remarks are in response to the final Office Action, mailed June 11, 2008, and the advisory action, mailed August 11, 2008.

35 U.S.C. § 112 Rejection

Claims 1-4, 6-8 and 13-23 are rejected under 35 U.S.C. §112, first paragraph, as failing to comply with the written description requirement.

Claims 1, 13 and 19 have been amended. Applicants respectfully request the withdrawal of the rejection of claims 1, 13 and 19 and their dependent claims.

35 U.S.C. § 103 Rejection

Claims 1, 4, 6-8, 13 and 15-23 are rejected under 35 U.S.C. §103(a) as being unpatentable over Camp, et al., U.S. Patent No. 6,802,067 (“Camp”) in view of Shah, et al., U.S. Patent Publication No. 2003/0005173 (“Shah”).

Claim 1, as amended, recites:

A system comprising:

a computer system having a processor coupled with a memory, the computer system further including an application server, the application server to generate a unified logging and tracing system having a logging system to generate log messages, and a tracing system to generate trace messages, wherein the application server

is further to cross-reference the trace messages and the log messages or generate language-independent messages for the log messages, wherein the unified logging and tracing system is compatible with multiple output formats and is controllable such that setting hierarchies of the unified logging and tracing system are reusable, the unified logging and tracing system having

- a log manager to manage one or more log controllers to receive one or more messages from an application wherein each of the one or more log controllers is a class that includes one or more subclasses or modules selected from a group comprising a category to generate the log messages and a location to generate the trace messages, wherein the trace messages are emitted to the location, the location including an area of program code; and
- a viewer in communication with the processor of the computer system, the viewer to display the logging messages and the tracing messages as generated by the unified logging and tracing system..

As an initial matter, Applicants respectfully disagree with the Examiner's reliance on Shah for disclosing "unified logging and tracing system" of claim 1. For example, Shah discloses separate "message logger" (e.g., message logger 416, 703, 713) and "trace logger" (e.g., trace logger 417, 704, 714) for messages and trace data, respectively. (see para. 0064; see also figs. 4, 5 and 7). The mere use of a separate "message logger" for messages from a "trace logger" for trace data **is away from and not the same** as "a unique logging and tracing system to generate log messages, and a tracing system to generate trace messages" as recited by claim 1 (emphasis added). Hence, Shah does not make up for the deficiencies of Camp.

Nevertheless, for the sake of expediting issuance of this case, Applicants propose additional amendments to the pending claims and submit the following remarks.

Claim 1, as amended, in pertinent part, recites "the application server to generate a unified logging and tracing system having a logging system to generate log messages, and a tracing system to generate trace messages, wherein the application server is further to cross-reference the trace messages and the log messages or generate language-

independent messages for the log messages, wherein the unified logging and tracing system is compatible with multiple output formats and is controllable such that setting hierarchies of the unified logging and tracing system are reusable” (emphasis added).

Camp discloses “a computer software framework and method that provides a *means to log messages to files, consoles, databases, and other destinations and combines the functions of log file formatting, message multicasting, message filtering, message severity processing and log file management.*” (col. 1, lines 6-11; emphasis added).

Camp further discloses a “method for logging a message, comprising *forming a destination log object by a destination log class extending a log base class and the log base class implementing a log interface; formatting the message; and logging the formatted message to a destination log via the destination log object.*” (col. 1, lines 63-67; emphasis added).

In contrast, claim 1 recites the “application server is further to cross-reference the trace messages and the log messages or generate language-independent messages for the log messages, wherein the unified logging and tracing system is compatible with multiple output formats and is controllable such that setting hierarchies of the unified logging and tracing system are reusable” (emphasis added). Camp and Shah, neither individually nor when combined, teach or reasonably suggest “cross-reference the trace messages and the log messages or generate language-independent messages for the log messages, wherein the unified logging and tracing system is compatible with multiple output formats and is controllable such that setting hierarchies of the unified logging and tracing system are reusable” as recited by claim 1.

For example, Camp discloses “[l]og base class 15 provides a means to *format messages to obtain a consistent structure and appearance for generated logs containing*

the logged messages, which helps to provide uniformity across a computing system. In carrying out the formatting function, log base class 15 calls a formatter, typically an object containing a method for *appending additional information to the text string of the message*” (col. 4, lines 11-17; emphasis added), but that is not the same as **cross-reference the trace messages and the log messages** or **generate language-independent messages for the log messages**, wherein **the unified logging and tracing system is compatible with multiple output formats and is controllable such that setting hierarchies of the unified logging and tracing system are reusable** as recited by claim 1.

Shah, which relates to “dynamically configuring logging elements in a computer system”, discloses “a logging subsystem within the computer system, wherein the subsystem contains a plurality of logging elements which record events within the computer system. Inheritance relationships are established for the logging elements, which allows the logging elements to be configured either individually or as a group. The *logging elements are then configured to record specified types of events and send the logging data of the events to specified locations within the computer system.*” (Abstract; emphasis added). Like Camp, Shah does not teach or reasonably suggest **cross-reference the trace messages and the log messages** or **generate language-independent messages for the log messages**, wherein **the unified logging and tracing system is compatible with multiple output formats and is controllable such that setting hierarchies of the unified logging and tracing system are reusable** as recited by claim 1.

Hence, as mentioned above, Shah does not make up for the deficiencies of Camp. Accordingly, Applicants respectfully request the withdrawal of the rejection of claim 1

and its dependent claims.

Claims 13 and 19 contain limitations similar to those of claim 1. Accordingly, Applicants respectfully request the withdrawal of the rejection of claims 13 and 19 and their dependent claims.

Claims 2, 3 and 14 are rejected under 35 U.S.C. §103(a) as being unpatentable over Camp, et al., U.S. Patent No. 6,802,067 (“Camp”) in view of Shah, et al., U.S. Patent Publication No. 2003/0005173 (“Shah”)

Claims 2, 3 and 14 depend from one of claims 1 and 13 thus include all the limitations of the corresponding base claim. Accordingly, Applicants respectfully request the withdrawal of the rejection of claims 2, 3 and 14.

Conclusion

In light of the foregoing, reconsideration and allowance of the claims is hereby earnestly requested.

Invitation for a Telephone Interview

The Examiner is requested to call the undersigned at (303) 740-1980 if there remains any issue with allowance of the case.

Request for an Extension of Time

Applicants respectfully petition for an extension of time to respond to the outstanding Office Action pursuant to 37 C.F.R. § 1.136(a) should one be necessary. Please charge our Deposit Account No. 02-2666 to cover the necessary fee under 37 C.F.R. § 1.17(a) for such an extension.

Charge our Deposit Account

Please charge any shortage to our Deposit Account No. 02-2666.

Respectfully submitted,

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